-13-

ABSTRACT
REGISTRATION OF MULTI-MODALITY DATA IN IMAGING

5   A method of registration of a functional emission image to another image,
e.g. a structural/anatomical image, is disclosed in which the emission image is first
processed to mask out regions of the background and lungs identified in a
corresponding transmission image. Only areas which are not masked out in the
emission image are matched to areas in the x-ray image. The x-ray image and
10   masked emission image may then be displayed in superposition.